

ABSTRACT OF THE DISCLOSURE

A comparator compares the voltage of a shunt resistor detected by a current detection terminal with a reference voltage and supplies a current abnormality signal to a fault circuit when the voltage of the shunt resistor is in excess of the reference voltage, so that a stop signal is supplied to a power device driving circuit and an input circuit and the power device driving circuit and another power device driving circuit stop operation of transistors respectively. The fault circuit, outputting the stop signal created by the same through a fault terminal, can also receive a stop signal output from another control circuit and supply the same to the power device driving circuit and the input circuit. Thus, internal wires are simplified in an inverter module having a protective function for a power device for miniaturizing the module.